

AMENDMENTS TO THE CLAIMS

Please **ADD** new claims 358-372 as shown below.

Please **CANCEL** claims 328-357 without prejudice or disclaimer in favor of presentation of this subject matter in a divisional application.

This listing of claims will replace all prior versions, and listings, of claims in the application.

1 - 357. (Cancelled)

358. (New) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, the method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING	M			

INFORMATION				
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

359. (New) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, the method comprising the steps of

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			

REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

360. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

361. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

362. (New) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network is an ANSI-41 and GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")

ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = = "ANSI-41") or (CN TYPE = ="GSM-MAP AND ANSI-41")
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363. (New) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network is an ANSI-41 and GSM-MAP operating type, said apparatus comprising:

a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION				

ELEMENTS				
CN TYPE	M		ANSI-41	
ANSI-41 INFORMATION ELEMENTS	C-ANSI			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

364. (New) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network, wherein the message includes a system information message.

365. (New) A method for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

366. (New) An apparatus for interfacing between a terminal and a radio network connected to a core network, wherein the terminal has a hybrid operating type being possible to be set as either a synchronous operating type or an asynchronous operating type, the radio network is the asynchronous operating type and the core network are a GSM-MAP operating type, said apparatus comprising:

a storage device for storing core network operating type information representing an operating type of a core network;

extraction block for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block for providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message is represented by:

INFORMATION ELEMENT	PRESENCE	MULTI	IE TYPE AND REFERENCE	SEMANTICS DESCRIPTION
OTHER INFORMATION ELEMENTS				
MIB VALUE TAG	M			
REFERENCES TO OTHER SYSTEM INFORMATION BLOCKS				
>SCHEDULING INFORMATION	M			
CN INFORMATION ELEMENTS				
CN TYPE	M		GSM-MAP	
PLMN IDENTITY	C-GSM			

CONDITION	EXPLANATION
GSM	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "GSM-MAP") or (CN TYPE = "GSM-MAP AND ANSI-41")
ANSI	THIS INFORMATION ELEMENT SHALL BE PRESENT IN CASE (CN TYPE = "ANSI-41") or (CN TYPE = "GSM-MAP AND ANSI-41")

367. (New) A method for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type, the method comprising the steps of:

a) providing the terminal with a message including a core network operating type information representing an operating type of a core network,

wherein the message includes:

'CN INFORMATION ELEMENTS' information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

'CN type' information representing the core network operating type information representing an operating type of a core network; and

'PLMN IDENTITY' information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

368. (New) The method as recited in claim 367, wherein the message further includes scheduling information and a MIB value tag.

369. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type, comprising:

a storage device, coupled to the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message includes:

'CN INFORMATION ELEMENTS' information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

'CN type' information representing the core network operating type information representing an operating type of a core network; and

'PLMN IDENTITY' information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

370. (New) The apparatus as recited in claim 369, wherein the message further includes scheduling information and a MIB value tag.

371. (New) An apparatus for interfacing between a terminal and a radio network, wherein the radio network has an asynchronous operating type and the terminal is set as the asynchronous operating type, comprising:

a storage device, contained in the radio network, for storing core network operating type information representing an operating type of a core network;

extraction block, contained in the radio network, for reading the core network operating type information during a time period of initialization of the radio network; and

messaging block, contained in the radio network, for periodically providing the terminal with the core network operating type information contained in a message through a predetermined channel,

wherein the message includes:

'CN INFORMATION ELEMENTS' information identifying the type of core network domain including one of a packet switch type and a circuit switching type;

'CN type' information representing the core network operating type information representing an operating type of a core network; and

'PLMN IDENTITY' information identifying a Public Land Mobile Network for a GSM-MAP type of PLMN.

372. (New) The apparatus as recited in claim 371, wherein the message further includes scheduling information and a MIB value tag.